

MASSAGING SYSTEM

CROSS-REFERENCE TO RELATED APPLICATIONS

6 This application claims the benefit of United States
7 Provisional Application Serial Number 60/430,028, filed
8 November 29, 2002.

Field of the Invention

13 The present invention relates to massaging systems and
14 to portable massagers.

Background of the Invention

18 Typically, individuals using a hand-held electrically
19 powered percussive massager have a difficult time applying
20 the device to their back, unless receiving help from
21 another person. Heretofore, persons utilizing a handheld
22 electrically powered percussive massager for back massage
23 would often have to put themselves in awkward positions to
24 massage their back. Persons experiencing physical

1 difficulty or arthritis, for example, would have even more
2 difficulty.

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SUMMARY OF THE INVENTION

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3 A primary object and feature of the present invention
4 is to provide a massage system for "no hands" individual
5 self-massage.

6

7 It is a further object and feature of the present
8 invention to provide such a system that utilizes a handheld
9 electrically powered percussive massager.

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11 It is a further object and feature of the present
12 invention to provide such a system that provides a height
13 adjustment for a massager at a specific height.

14

15 It is a further object and feature of the present
16 invention to provide such a system that provides a
17 motorized height adjustment.

18

19 It is a further object and feature of the present
20 invention to provide such a system comprising a remote
21 control.

1 It is a further object and feature of the present
2 invention to provide such a system comprising a
3 programmable remote control.

4

5 A further primary object and feature of the present
6 invention is to provide such a system that is efficient,
7 inexpensive, and handy. Other objects and features of this
8 invention will become apparent with reference to the
9 following descriptions.

10

11 In accordance with a preferred embodiment hereof, this
12 invention provides a massage system for electrically
13 powered percussive massage, comprising: hand holdable
14 massaging means for electrically powered percussive
15 massaging; and rigid holding means for rigidly holding such
16 hand holdable massaging means; wherein such rigid holding
17 means comprises removable holding means for removably
18 holding such hand holdable massaging means. Moreover, it
19 provides such a massage system further comprising fixed
20 mounting means for fixedly mounting such rigid holding
21 means. Additionally, it provides such a massage system
22 further comprising doortop mounting means for mounting such
23 rigid holding means hung from a doortop. Also, it provides
24 such a massage system wherein such rigid holding means

1 further comprises adjustable longitudinal setting means,
2 comprising a rigid bar having a longitudinal length, for
3 setting a user selected position, along such longitudinal
4 length, for such hand holdable massaging means.

5

6 In accordance with another preferred embodiment
7 hereof, this invention provides a massage system for
8 electrically powered percussive massage, comprising: at
9 least one hand holdable massager structured and arranged to
10 provide electrically powered percussive massaging; and at
11 least one rigid holder structured and arranged to rigidly
12 hold such at least one hand holdable massager; wherein such
13 at least one rigid holder is structured and arranged to
14 removably hold such at least one hand holdable massager. In
15 addition, it provides such a massage system further
16 comprising at least one mount structured and arranged to
17 fixedly mount such at least one rigid holder. And it
18 provides such a massage system further comprising at least
19 one doortop mount structured and arranged to mount such at
20 least one rigid holder hung from at least one doortop.
21 Further, it provides such a massage system wherein such at
22 least one rigid holder further comprises at least one
23 adjustable longitudinal position setter, comprising at
24 least one rigid bar having a longitudinal length,

1 structured and arranged to set at least one user selected
2 position along such longitudinal length for such at least
3 one hand holdable massager.

4

5 Even further, it provides such a massage system
6 wherein such least one mount is fixedly mounted to a
7 vertical surface. Moreover, it provides such a massage
8 system wherein such at least one adjustable longitudinal
9 position setter further comprises at least one clamp
10 assembly structured and arranged to adjustably engage such
11 at least one adjustable longitudinal position setter.
12 Additionally, it provides such a massage system wherein
13 such at least one clamp assembly comprises at least one
14 first clamp structured and arranged to clamp and firmly
15 retain such at least one hand holdable massager. Also, it
16 provides such a massage system wherein: such at least one
17 first clamp comprises at least one first substantially
18 circular aperture structured and arranged to receive at
19 least one portion of such one at least one hand holdable
20 massager; and an inside diameter of such at least one first
21 substantially circular aperture is adjustable.

1 In addition, it provides such a massage system wherein
2 such at least one clamp assembly further comprises at least
3 one second clamp structured and arranged to receive at
4 least one portion of such at least one adjustable
5 longitudinal position setter. And it provides such a
6 massage system wherein: such at least one second clamp
7 comprises at least one second substantially circular
8 aperture structured and arranged to receive at least one
9 portion of such one at least one adjustable longitudinal
10 position setter; and an inside diameter of such at least
11 one second substantially circular aperture is adjustable.
12 Further, it provides such a massage system wherein such at
13 least one clamp assembly further comprises at least one
14 electrically powered motor actuator structured and arranged
15 to permit motorized travel along such longitudinal length.
16 Even further, it provides such a massage system wherein
17 such at least one electrically powered motor actuator
18 comprises at least one control system structured and
19 arranged to permit user control of the motorized travel
20 along such longitudinal length. Even further, it provides
21 such a massage system wherein such at least one control
22 system is structured and arranged implement a program of
23 user-desired settings. Even further, it provides such a
24 massage system wherein such at least one electrically

1 powered motor actuator comprises at least one electrical
2 plug connector structured and arranged to permit plug in of
3 at least one plug of such at least one hand holdable
4 massager.

5

6 In accordance with another preferred embodiment
7 hereof, this invention provides a kit system for
8 implementing electrically powered, rigidly held percussive
9 massage using at least one hand holdable massager,
10 comprising: at least one rigid holder structured and
11 arranged to rigidly hold the at least one hand holdable
12 massager; wherein such at least one rigid holder structured
13 and arranged to removably hold such at least one hand
14 holdable massager; and wherein such at least one rigid
15 holder further comprises at least one adjustable
16 longitudinal position setter, comprising at least one rigid
17 bar having a longitudinal length, structured and arranged
18 to set at least one user selected position along such
19 longitudinal length for the at least one hand holdable
20 massager. Even further, it provides such a kit system
21 further comprising indicia indicating: at least one group
22 of massagers sized and arranged to be rigidly held by the
23 at least one rigid holder; and instructions for assembly of
24 the kit system where the user supplies the massager. Even

1 further, it provides such a kit system further comprising
2 at least one electrically powered motor actuator structured
3 and arranged to permit motorized travel along such
4 longitudinal length. Even further, it provides such a kit
5 system further comprising indicia indicating: at least one
6 group of massagers sized and arranged to be rigidly held by
7 the at least one rigid holder; and instructions for
8 assembly of the kit system where the user supplies the
9 massager.

10

11 Additionally, this invention provides each and every
12 novel feature, element, combination, step and/or method
13 disclosed or suggested by this provisional patent
14 application.

1 BRIEF DESCRIPTION OF THE DRAWINGS

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3 Referring to the drawings:

4

5 FIG. 1 is a photographic view of a wall mount massage
6 assembly of the massage system according to a preferred
7 embodiment of the present invention;

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9 FIG. 2 is a side view, partially in section, of the
10 wall mount massage assembly of FIG. 1;

11

12 FIG. 3 is an exploded top view of a holding bracket of
13 the massage system according to a preferred embodiment of
14 the present invention;

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16 FIG. 4 is an assembled top view of the holding bracket
17 of FIG. 3;

18

19 FIG. 5 is a side view of the wall mount massage
20 assembly of FIG. 1 in use by an individual in a sitting
21 position according to a preferred embodiment of the present
22 invention;

1 FIG. 6 is a side view of the wall mount massage
2 assembly of FIG. 1 in use by an individual in a standing
3 position according to a preferred embodiment of the present
4 invention;

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6 FIG. 7 is a side view, partially in section of a
7 motorized massage assembly of the massage system according
8 to another preferred embodiment of the present invention;

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10 FIG. 8 is a sectional view through section 8-8 of FIG.
11 7;

12

13 FIG. 9 is a perspective view of a bar of the motorized
14 massage assembly of FIG. 7 according to a preferred
15 embodiment of the present invention; and

16

17 FIG. 10 is a perspective view of a door mount assembly
18 of the massage system according to a preferred embodiment
19 of the present invention.

1 DETAILED DESCRIPTION OF A PREFERRED EMBODIMENT

2

3 This invention relates to providing a massage system.
4 More specifically, a massage system providing a bracket for
5 rigidly holding an electrically powered percussion
6 massager, for example, a hand held electric massager, and a
7 bracket height adjustment such that the massager may be
8 utilized by a user at a specific height. Furthermore, the
9 massage system provides rigid support for the massager to
10 enable a person to back into the massagers thereby more
11 easily controlling the massage by themselves without
12 requiring use of the hands.

13

14 Reference is now made to the drawings. Specifically
15 reference is now made to FIG. 1 through FIG. 4. FIG. 1 is a
16 photographic view of a wall mount massage assembly 102 of
17 the massage system 100 according to a preferred embodiment
18 of the present invention. FIG. 2 is a side view, partially
19 in section, of the wall mount massage assembly 102 of FIG.
20 1. FIG. 3 is an exploded top view of a holding bracket 106
21 of the massage system 100 according to a preferred
22 embodiment of the present invention FIG. 4 is an assembled
23 top view of the holding bracket 106 of FIG. 3.

1 Preferably, the wall mount massage assembly 102
2 comprises a bar 104, a holding bracket 106, and an
3 electrically powered percussive massager 108, as shown.
4 Preferably, bar 104 comprises a round hollow rod,
5 preferably, stainless steel, preferably, one and one-half
6 inch diameter, preferably, at least a thirty six inch long
7 bar. In a highly preferred embodiment, a seventy two inch
8 long bar is utilized. Preferably, bar 104 (embodiment herein
9 adjustable longitudinal setting means, comprising a rigid
10 bar having a longitudinal length, for setting a user
11 selected position, along such longitudinal length, for such
12 hand holdable massaging means and further embodying herein
13 at least one adjustable longitudinal position setter,
14 comprising at least one rigid bar having a longitudinal
15 length, structured and arranged to set at least one user
16 selected position along such longitudinal length for such
17 at least one hand holdable massager) is similar in
18 construction to the stainless steel grab bars produced by
19 Franklin Brass Co. of Carson, CA. Under appropriate
20 circumstances, other dimensions and materials may suffice
21 to accommodate such factors as alternate preferred ranges
22 of adjustability and cost. Preferably, mounting flange 109
23 is used to rigidly fasten bar 104 to wall 105 using
24 appropriate fasteners 107, as shown (the above arrangement

1 embodies herein, fixed mounting means for fixedly mounting
2 such rigid holding means and further embodying herein at
3 least one mount structured and arranged to fixedly mount
4 such at least one rigid holder).

5

6 Holding bracket 106 (embodying herein rigid holding
7 means for rigidly holding such hand holdable massaging
8 means and further embodying herein at least one rigid
9 holder structured and arranged to rigidly hold such at
10 least one hand holdable massager) preferably comprises two
11 apertures 110 and 112, as shown. Preferably, aperture 110
12 (embodying herein at least one second substantially
13 circular aperture structured and arranged to receive at
14 least one portion of such one at least one adjustable
15 longitudinal position setter) has a diameter that will
16 encircle and clamp to bar 106, as shown. Preferably,
17 aperture 112 (embodying herein at least one first
18 substantially circular aperture structured and arranged to
19 receive at least one portion of such one at least one hand-
20 holdable massager) has a diameter that will encircle a
21 portion of the electrically powered percussive massager
22 108, preferably the handle 114 of a hand held massager 116,
23 as shown. Preferably, holding bracket 106 comprises a
24 center portion 118, a second clamping portion 120 and a

1 first clamping portion 132, as shown.

2

3 Preferably, second clamping portion 120 (embodying
4 herein at least one second clamp structured and arranged to
5 receive at lease one portion of such at least one
6 adjustable longitudinal position setter) comprises two ends
7 122 and 124, as shown. Preferably, end 122 permanently
8 attaches to the center portion 118 utilizing a pin 126
9 placed into an aperture 128 in the second clamping portion
10 120 and an aligned aperture 130 in the center portion 118
11 such that the second clamping portion 120 can swing away
12 from the center portion 118, as shown. Preferably, first
13 clamping portion 132 (embodying herein at least one first
14 clamp structured and arranged to clamp and firmly retain
15 such at least one hand holdable massager) comprises two
16 ends 134 and 136, as shown. Preferably, end 134 permanently
17 attaches to the center portion 118 utilizing a pin 138
18 placed into an aperture 140 in the first clamping portion
19 132 and an aligned aperture 142 in the center portion 118
20 such that the first clamping portion 132 can swing away
21 from the center portion 118, as shown. Preferably, the end
22 124 removably attaches to the center portion 118, as shown.
23 Preferably, end 124 is attached to center portion 118
24 utilizing a threaded bolt 144, as shown. Preferably, the

1 threaded bolt 144 comprises a knob 146 for turning the
2 threaded bolt 144. Preferably, the threaded bolt 144 is
3 inserted through an aperture 148 in the end 124 and into a
4 threaded aperture 150 in the center portion 118, as shown.

5

6 Preferably, end 136 is attached to center portion 118
7 utilizing a threaded bolt 152, as shown. Preferably, the
8 threaded bolt 144 comprises a knob 154 for turning the
9 threaded bolt 152. Preferably, the threaded bolt 152 is
10 inserted through an aperture 153 in the end 136 and into a
11 threaded aperture 156 in the center portion 118, as shown.
12 Under appropriate circumstances, other arrangements may
13 suffice.

14

15 Reference is now made to FIG. 5 and FIG. 6 with
16 continued reference to the above Figures. FIG. 5 is a side
17 view of the wall mount massage assembly 102 of FIG. 1 in
18 use by an individual 170 in a sitting position 172
19 according to a preferred embodiment of the present
20 invention. FIG. 6 is a side view of the wall mount massage
21 assembly 102 of FIG. 1 in use by a user 174 in a standing
22 position 176 according to a preferred embodiment of the
23 present invention. Preferably, the massage system 100 may
24 be used in both a sitting position 172 and a standing

1 position 176, as shown. Preferably, in a sitting position
2 172, a user adjusts the electrically powered percussive
3 massager 108 (embodying herein hand holdable massaging
4 means for electrically powered percussive massaging and
5 further embodying herein at least one hand holdable
6 massager structured and arranged to provide electrically
7 powered percussive massaging) at a desired height in which
8 the massager will be positioned on the user on the desired
9 anatomy, preferably the back 178, as shown. The user
10 receives self administered therapy by backing into the
11 electrically powered percussive massager 108, as shown.
12 Under appropriate circumstances, other arrangements may
13 suffice. Preferably, the user utilizes a seat 180 that does
14 not have a rear portion or sits in a chair such that the
15 user's back 178 is towards the electrically powered
16 percussive massager 108, as shown.

17

18 Similarly, in preferred use while standing, the user
19 adjusts the electrically powered percussive massager 108 to
20 a desired height above floor level allowing the
21 electrically powered percussive massager 108 to be
22 positioned at a preferred point on the user's anatomy, as
23 shown. The user again receives self administered therapy by
24 backing into the electrically powered percussive massager

1 108, as shown. In each case the height of electrically
2 powered percussive massager 108 is adjusted by turning knob
3 146 to loosen threaded bolt 144 from center portion 118
4 allowing the second clamping portion 120 to swing away from
5 the bar 104 (embodiment herein wherein an inside diameter of
6 such at least one second substantially circular aperture is
7 adjustable) thereby releasing the second clamping portion
8 120 from bar 104, as shown. Holding bracket 106 is then
9 free to travel up and down bar 104. Preferably, the holding
10 bracket 106 (and the attached electrically powered
11 percussive massager 108) is resecured to bar 104 by
12 following the reverse steps of turning knob 146 to tighten
13 bolt 144 to center portion 118 thereby securing second
14 clamping portion 120 firmly against bar 104, as shown.

15

16 Massage system 100 is preferably adapted to allow
17 removal and replacement of the electrically powered
18 percussive massager 108 by operation of the first clamping
19 portion 132 of holding bracket 106 (embodiment herein
20 wherein such rigid holding means comprises removable
21 holding means for removably holding such hand holdable
22 massaging means and wherein such at least one rigid holder
23 is structured and arranged to removably hold such at least
24 one hand holdable massager). To release the electrically

1 powered percussive massager 108 from holding bracket 106
2 the user turns knob 154 to loosen threaded bolt 152 from
3 center portion 118 allowing first clamping portion 132 to
4 swing away from the handle 114 of the electrically powered
5 percussive massager 108 thereby releasing the first
6 clamping portion 132 from the electrically powered
7 percussive massager 108. After release, the electrically
8 powered percussive massager 108 is then free to be removed
9 from the holding bracket 106. Preferably, the electrically
10 powered percussive massager 108 is resecured within holding
11 bracket 106 by following the reverse steps of inserting the
12 handle 114 of the electrically powered percussive massager
13 108 into aperture 112 and turning knob 154 to tighten bolt
14 153 into center portion 118 thereby securing the first
15 clamping portion 132 firmly against the handle 114, as
16 shown (the above described arrangements embodies herein
17 wherein an inside diameter of such at least one first
18 substantially circular aperture is adjustable).

19

20 FIG. 7 is a side view, partially in section of a
21 motorized massage assembly 190 of the massage system 100
22 according to another preferred embodiment of the present
23 invention. Preferably, the motorized massage assembly 190
24 comprises a track bar 192, supporting a motorized holding

1 assembly 194, and an electrically powered percussive
2 massager 108, as shown. Preferably, track bar 192 comprises
3 a rigid vertical member having an "I" shaped sectional
4 profile (as further illustrated in FIG. 9). Preferably,
5 track bar 192 has a preferred length of at least thirty six
6 inches. In a highly preferred embodiment, a seventy two
7 inch long bar is utilized to provide extended adjustability
8 to massage system 100. Under appropriate circumstances,
9 other dimensions and materials may suffice to accommodate
10 such factors as alternate preferred ranges of adjustability
11 and cost. Track bar 192 is preferably held in a position
12 adjacent wall 105 (embodiment herein wherein such least one
13 mount is fixedly mounted to a vertical surface) by an upper
14 mount 196 and a lower mount 198, as shown. Preferably, both
15 upper mount 196 and lower mount 198 are mechanically
16 fastened to wall 105 using appropriate fasteners 202, as
17 shown. Preferably, upper mount 196 and/or lower mount 198
18 are removable from track bar 192 such that track bar 192
19 may be inserted through motorized holding assembly 194, as
20 shown. Preferably, motorized holding assembly 194 comprises
21 a holding bracket 204 similar in construction and function
22 to the massager holding portion of holding bracket 106 as
23 described in FIG. 1 through FIG. 3 above. Preferably,
24 motorized holding assembly 194 comprises a rigid outer

1 housing 206 preferably constructed from plastic such as ABS
2 or metal such as aluminum. Although outer housing 206 is
3 depicted in the embodiment of FIG. 7 as having an
4 essentially elliptical shape, under appropriate
5 circumstances a number of preferred alternate shape
6 arrangements, sizes, and surface treatments may be used.
7 Preferably, outer housing 206 includes a convenient power
8 outlet 208 to allow cord 210 of electrically powered
9 percussive massager 108 to be plugged into motorized
10 holding assembly 194, thereby accommodating massagers
11 having moderate cord lengths (the above arrangement
12 embodying herein at least one electrical plug connector
13 structured and arranged to permit plug in of at least one
14 plug of such at least one hand holdable massager). Under
15 appropriate circumstances outer housing 206 may include
16 such other features as a power control switch 212, a
17 movement control switch and/or a power indicator light 214,
18 as shown. A power cord 216 is preferably used to connect
19 the motorized holding assembly 194 to an external power
20 source, as shown. Under appropriate circumstances motorized
21 holding assembly 194 may be powered by an internal power
22 source such as replaceable or rechargeable batteries.

1 FIG. 8 is a sectional view through section 8-8 of FIG.

2 7. FIG. 8 illustrates a typical arrangement of components

3 within outer housing 206 of motorized holding assembly 194.

4 Preferably, a high torque, low RPM motor 218, drives a

5 pinion gear 220 attached to motor shaft 222, as shown.

6 Pinion gear 220 preferably engages a linear rack type gear

7 224 positioned vertically along the length of the web 226

8 of track bar 192 (see FIG. 9). Rack type gear 224

9 preferably acts to convert the rotary motion of pinion gear

10 220 to a linear motion thereby propelling motorized holding

11 assembly 194 up and down track bar 192 (embodying herein at

12 least one electrically powered motor actuator structured

13 and arranged to permit motorized travel along such

14 longitudinal length). Preferably, at least one guide wheel

15 228 rides along the face of web 226 opposite rack type gear

16 224, as shown. Guide wheel 228 preferably operates on idler

17 shaft 230, acting to stabilize the motorized holding

18 assembly 194 on track bar 192, as shown. In light of the

19 present teachings those skilled in the art will now

20 appreciate that, under appropriate circumstances, other

21 guiding and positioning arrangements may be used to provide

22 additional stability to the system. Preferably, motor shaft

23 222 and idler shaft 230 are firmly positioned within outer

24 housing 206 using an arrangement of internal support

1 structures that may preferably include, portions of outer
2 housing 206, secondary support structures such as plate 232
3 and/or portions of holding bracket 204, as shown. Motorized
4 holding assembly 194 preferably includes a power section
5 236, containing power outlet 208 and controller assembly
6 234, as shown. In a highly preferred embodiment, a hand
7 held remote control module 238 is used to operate motorized
8 holding assembly 194 (embodying herein at least one control
9 system structured and arranged to permit user-control of
10 the motorized travel along such longitudinal length), as
11 shown. Remote control module 238 is preferably connected to
12 controller assembly 234 by means of a connection wire 240,
13 as shown. Most preferably, remote control module 238
14 communicates with controller assembly 234 by means of a
15 wireless RF or IR signal, as shown. In a basic embodiment,
16 remote control module 238 is preferably equipped with an
17 "'up" button 242 and corresponding "down" button 243 to
18 control the vertical travel of motorized holding assembly
19 194, as shown.

20

21 In another highly preferred embodiment of the present
22 invention, remote control module 238 and/or controller
23 assembly 234 preferably includes a preprogrammed or user
24 programmable feature that allows a predetermined or

1 memorized program to control the operation of motorized
2 holding assembly 194 (embodying herein wherein such at
3 least one control system is structured and arranged
4 implement a program of user desired settings). Such a
5 programming feature permits the user to input and recall,
6 for example, a user specific massager position or motion
7 pattern. Preferably a stepping motor is used in the
8 programmable versions of motorized holding assembly 194 to
9 allow for controlled and accurate positioning of the unit.
10 In light of the present teachings, those skilled in the art
11 will now appreciate that other assemblies, accessories and
12 controls, which facilitate and enhance the operation of the
13 above described motor driven embodiments, are within the
14 scope of the present invention (not limited to top an
15 bottom travel limiting switches, motor control indexing
16 indicators, safety protection devices etc).
17

18 FIG. 9 is a perspective view of the track bar 192
19 (embodying herein adjustable longitudinal setting means,
20 comprising a rigid bar having a longitudinal length, for
21 setting a user selected position, along such longitudinal
22 length, for such hand holdable massaging means and further
23 embodying at least one adjustable longitudinal position
24 setter, comprising at least one rigid bar having a

1 longitudinal length, structured and arranged to set at
2 least one user selected position along such longitudinal
3 length for such at least one hand holdable massager) of the
4 motorized massage assembly 194 of FIG. 7 according to a
5 preferred embodiment of the present invention. Preferably,
6 track bar 192 consists of an "I" shaped member comprising
7 a center web 226 and two perpendicularly oriented flange
8 portions 242, as shown. Preferably, rack type gear 224 is
9 positioned adjacent to center web 226, between flange
10 portions 242, as shown. Although it is preferred that rack
11 type gear 224 is mechanically fastened to track bar 192 by
12 mechanical fasteners or welding, under appropriate
13 circumstances, rack type gear 224 may be integrally formed
14 with track bar 192. Preferably, track bar 192 is
15 constructed from metal, preferably extruded aluminum. Under
16 appropriate circumstances, to address such issues as
17 durability and cost, track bar 192 may be formed from other
18 rigid materials such as stainless steel, plastic or a
19 combination of metallic and plastic components.

20

21 FIG. 10 is a perspective view of a door mount assembly
22 250 of the massage system 100 according to a preferred
23 embodiment of the present invention (embodiment herein
24 doortop mounting means for mounting such rigid holding

1 means hung from a doortop and further embodying herein at
2 least one doortop mount structured and arranged to mount
3 such at least one rigid holder hung from at least one
4 doortop). In applications of massage system 100 where it is
5 less preferable to install a permanent wall mounted bar
6 104, or where portability of the system is desired, door-
7 mount assembly 250 may be utilized. Preferably, door mount
8 assembly 250 comprises a bar 104 mounted to a support plate
9 252, as shown. Support plate 252 preferably comprises a top
10 hook 254 adapted to fit over the top of a door thereby
11 supporting the door mount assembly 250 in a position for
12 use. Preferably, the top hook is adapted to accommodate a
13 standard door having a thickness of about 1-1/2". Under
14 appropriate circumstances, a top hook insert may be
15 provided to allow door mount assembly 250 to better fit
16 thinner (1-3/8") interior doors. Preferably, door mount
17 assembly 250 is constructed from a rigid material,
18 preferably metal. Under appropriate circumstances, door-
19 mount assembly 250 may be constructed from plastic or a
20 combination of plastic and metallic components. Under
21 appropriate circumstances, door mount assembly 250 may
22 preferably include sound and vibration attenuating
23 materials to limit vibration and sound resonance within the
24 supporting door during use. Preferably, support plate 252

1 is about 4" to 6" in width with a length permitting door
2 mount assembly 250 to be hung from a 7'-0" high door while
3 maintaining bar 104 in a position allowing use of massage
4 system 100 in a standing or sitting position. Under
5 appropriate circumstances, other configurations may
6 suffice, for example to produce a smaller, highly portable,
7 upper-body massage unit. It should be noted that the door
8 mount assembly 250 may be used with a manually operated
9 holding bracket 106 or a motorized holding assembly 194.

10

11 Although massage system 100 may be distributed and
12 installed by the manufacturer, massage system 100 is
13 preferably supplied as a consumer kit. A consumer kit for
14 utilizing a user supplied electrically powered, hand
15 holdable massager 108 preferably comprises; a surface
16 mountable bar 104, a holding bracket 106 and a set of
17 printed instructions (indicating massagers sized and
18 arranged to be compatible with holding bracket 106 and
19 instructions for assembly of the kit). An alternate
20 preferred consumer kit combination for utilizing a user
21 supplied electrically powered, hand holdable massager 108
22 preferably comprises; a track bar 192, a motorized holding
23 assembly 194 and a set of printed instructions (indicating
24 massagers sized and arranged to be compatible with holding

1 bracket 106 and instructions for assembly of the kit).

2

3 Although applicant has described applicant's preferred
4 embodiments of this invention, it will be understood that
5 the broadest scope of this invention includes such
6 modifications as diverse shapes and sizes and materials.
7 Such scope is limited only by the below claims as read in
8 connection with the above specification.

9

10 Further, many other advantages of applicant's
11 invention will be apparent to those skilled in the art from
12 the above descriptions and the below claims.